4820

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Drilling of Borewells and Maintenance of RO Plant in RR Nagar Constituency

Measurement Sheet

1st and Final Bill

Item No: 1

Item Name: Raw water Feed pump with starter,Type-Horizontal ,Centrifugal.Make-Kirloskar/Beacon weir/Sumo/CNP(SS),Material of Construction-Cast Iron,Head-36 MWC. Motor-3.0HPthree phase.Starter-L&T Siemen make push botton type DOL Starter

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
beside government school								
	1						1.00	
kuvempu circle								
	1						1.00	
ramanjaneya swamy temple road								
	1						1.00	
chowdeshwari temple road								
	1						1.00	
						Total Qty Work Done	4.00	Nos
						Qty Payable in this bill	4.00	Nos

Contractor Representative

Assistant Engineer

Asst.Executive Engineer
Yashwanthapura sub division
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
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4/8/20

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Drilling of Borewells and Maintenance of RO Plant in RR Nagar Constituency

Measurement Sheet

1st and Final Bill

Item No: 2

Item Name: Multi graded sand filter,type-verticle,Floor Mounted,Make-pentair/structural/ION EXCHANGE(INDIA) LTD/Zeolite/Aquario,min.operating Pressure 2.0kg/cm2,Max. Operating Pressure -3.5kg/cm2, Treatment Flow Rate-6000liters/Hr,Type of valve size-Multiport,50NB,make-UKL/Initiative,Filtering Media -Gravel,Graded Sand & Pebble

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
beside government school	1						1.00	
kuvempu circle	1						1.00	
ramanjaneya swamy temple road	1						1.00	
chowdeshwari temple road	1						1.00	
						Total Qty Work Done	4.00	Nos
						Qty Payable in this bill	4.00	Nos

UKL Eng

Contractor Representative

Assistant Engineer 4/8/20

Asst.Executive Engineer 4/8/20
Yashwanthapura sub division
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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Drilling of Borewells and Maintenance of RO Plant in RR Nagar Constituency

Measurement Sheet

1st and Final Bill

Item No: 3

Item Name: Activated carbon Filter type-Verticle,Floor Mounted,Make-pentair/Structural/ION EXCHANGE(INDIA) LTD/Zeolite/Aquario,min.operating Pressure 2.0kg/cm2,Max. Operating Pressure -3.5kg/cm2, Treatment Flow Rate-6000liters/Hr,Type of valve size-Multiport,50NB,make-UKL/Initiative,Filtering Media -Gravel, Activated Carbon & pebbles

CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
beside government school								
	1						1.00	
kuvempu circle								
	1						1.00	
ramanjaneya swamy temple road								
	1						1.00	
chowdeshwari temple road								
	1						1.00	
						Total Qty Work Done	4.00	Nos
						Qty Payable in this bill	4.00	Nos

Contractor Representative

Assistant Engineer

Asst.Executive Engineer
Yashwanthapura sub division

5/8/20

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Drilling of Borewells and Maintenance of RO Plant in RR Nagar Constituency

Measurement Sheet

1st and Final Bill

Item No: 4

Item Name: Water Softner,type-Verticle,Floor Mounted,Make-pentair/Structural/ION EXCHANGE(INDIA) LTD/Zeolite/Aquario,min.operating Pressure 2.0kg/cm2,Max. Operating Pressure 3.5kg/cm2, Treatment Flow Rate-6000liters/Hr,Type of Resin INDION 220Na or Thermax T40

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
beside government school	1						1.00	
kuvempu circle	1						1.00	
ramanjaneya swamy temple road	1						1.00	
chowdeshwari temple road	1						1.00	
						Total Qty Work Done	4.00	Nos
						Qty Payable in this bill	4.00	Nos

Contractor Representative

Assistant Engineer

Asst.Executive Engineer
Yashwanthapura sub division

BRUHAT BANGALORE MAHANAGARA PALIKE 6/08/20

Name of Work: Drilling of Borewells and Maintenance of RO Plant in RR Nagar Constituency

Measurement Sheet

1st and Final Bill

Item No: 5

Item Name: Antiscalant Dosing System,Equipment Required-Electronic Dosing Pump with Solution Tank,make-Ion Exchange (I) Ltd.,/ASIA LMI/Zeolite,Material of Construction-PP(Polypropelene),Discharge @Max Back Pressure-2.88litr/Hr @8bar,Discharge@Nominal Back Pressure=3.12Lit/Hr @

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
beside government school	1						1.00	
kuvempu circle	1						1.00	
ramanjaneya swamy temple road	1						1.00	
chowdeshwari temple road	1						1.00	
						Total Qty Work Done	4.00	Nos
						Qty Payable in this bill	4.00	Nos

ecd & ef 11/8

Contractor Representative

Assistant Engineer 6/8/20

Assist.Executive Engineer 6/8/20
Yashwanthapura sub division
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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Drilling of Borewells and Maintenance of RO Plant in RR Nagar Constituency

Measurement Sheet

1st and Final Bill

Item No: 6

Item Name: Accessories for Dosing System,Solution Tank-One No,Volume-100Litres,Material of Construction-HDPE,Tank level Switch-One No.

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
beside government school	1						1.00	
kuvempu circle	1						1.00	
ramanjaneya swamy temple road	1						1.00	
chowdeshwari temple road	1						1.00	
						Total Qty Work Done	4.00	Nos
						Qty Payable in this bill	4.00	Nos

Contractor Representative

Assistant Engineer

Asst Executive Engineer
Yashwanthapura sub division
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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Drilling of Borewells and Maintenance of RO Plant in RR Nagar Constituency

Measurement Sheet

1st and Final Bill

Item No: 7

Item Name: Reverse Osmosis System,Type-Horizontal Skid,Floor Mounted,Permeate water-Minimum 2000litr/hr,Maximum Permissable TDS in feed (PPM)-2500.

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
beside government school	1						1.00	
kuvempu circle	1						1.00	
ramanjaneya swamy temple road	1						1.00	
chowdeshwari temple road	1						1.00	
						Total Qty Work Done	4.00	Nos
						Qty Payable in this bill	4.00	Nos

Contractor Representative

Assistant Engineer

Asst.Executive Engineer
Yashwanthapura sub division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Drilling of Borewells and Maintenance of RO Plant in RR Nagar Constituency

Measurement Sheet

1st and Final Bill

Item No: 8

Item Name: Pressure Vessel,Material of Construction-FRP,Make-Advance Composite/Code Line.

	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	beside government school	1						1.00	
	kuvempu circle	1						1.00	
	ramanjaneya swamy temple road	1						1.00	
	chowdeshwari temple road	1						1.00	
								1.00	
						Total Qty Work Done		4.00	Nos
						Qty Payable in this bill		4.00	Nos

Contractor Representative

Assistant Engineer

Asst.Executive Engineer
Yashwanthapura sub division
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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Drilling of Borewells and Maintenance of RO Plant in RR Nagar Constituency

Measurement Sheet

1st and Final Bill

Item No: 9

Item Name: Membrane, Type-Brackish water . Nos required-Three.Make-TORAY JAPAN /Hydranautics/Filmtec/Tricep

	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	beside government school	1						1.00	
	kuvempu circle	1						1.00	
	ramanjaneya swamy temple road	1						1.00	
							Total Qty Work Done	3.00	Nos
							Qty Payable in this bill	3.00	Nos

Contractor Representative

Assistant Engineer 8/8/20

Asst Executive Engineer 8/8/20
Yashwanthapura sub division
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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Drilling of Borewells and Maintenance of RO Plant in RR Nagar Constituency

Measurement Sheet

1st and Final Bill

Item No: 10

Item Name: High pressure pump,Type- verticle,multistage,Make-GRUNDFOS,MOTOR-7.5 HP 3Phase, Model-CRN series,Material of construction-SS316,starter-L&T/Seimens make push botton type DOL starter

CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
beside government school	1						1.00	
kuvempu circle	1						1.00	
ramanjaneya swamy temple road	1						1.00	
						Total Qty Work Done	3.00	Nos
						Qty Payable in this bill	3.00	Nos

Contractor Representative

Assistant Engineer

Asst.Executive Engineer
Yashwanthapura sub division
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BRUHAT BANGALORE MAHANAGARA PALIKE

10/08/20

Name of Work: Drilling of Borewells and Maintenance of RO Plant in RR Nagar Constituency

Measurement Sheet

1st and Final Bill

Item No: 11

Item Name: Micron Filter,Type -JUMBO,Material of construction of housing-poly propelene

CHAINAGE Land Mark	NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
beside government school	1						1.00	
kuvempu circle	1						1.00	
ramanjaneya swamy temple road	1						1.00	
						Total Qty Work Done	3.00	Nos
						Qty Payable in this bill	3.00	Nos

Contractor Representative

Assistant Engineer 10/8/20

Asst.Executive Engineer 10/8/20

Yashwanthapura sub division

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BRUHAT BANGALORE MAHANAGARA PALIKE 10/8/20

Name of Work: Drilling of Borewells and Maintenance of RO Plant in RR Nagar Constituency

Measurement Sheet

1st and Final Bill

Item No: 12

Item Name: Instruction, Wet panel -Ms powder coated., Mounted on R.O> skid, Low pressure switch-one No,High Pressure Switch-one, Digitalconductivity Meter wiyh sensor , Indon brand-one No , ON/OFF selector Switch -one No, High pressure System Pressure Gauge - one No, Auto Flush Timer -one No, Indication Lamps -one No, product Flow Meter- one No, Reject Flow Meter-one No,Reject Re-circolation Meter-one No,Alarm-one No

CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
beside government school	1						1.00	
kuvempu circle	1						1.00	
ramanjaneya swamy temple road	1						1.00	
chowdeshwari temple road	1						1.00	
						Total Qty Work Done	4.00	Nos
						Qty Payable in this bill	4.00	Nos

Contractor Representative

Assistant Engineer

Asst.Executive Engineer
Yashwanthapura sub division
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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Drilling of Borewells and Maintenance of RO Plant in RR Nagar Constituency

Measurement Sheet

1st and Final Bill

Item No: 13

Item Name: PH correction dosing System, Equipment Required-Electronic Dosing Pump with solution Tank, Make-Ion Exchange(1) Ltd.,/ASIA LMI/Zeolite,Material of construction -PP, Discharge @ max . Back Pressure-2.88 Lit/Hr@8Bar.Discharge@Nominal Back Pressure-3.12 Lit/Hr@4Bar,Frequency-100 Strokes / Min, Chemical to be dosed-PH Booster

CHAINAGE / Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
beside government school	1						1.00	
kuvempu circle	1						1.00	
ramanjaneya swamy temple road	1						1.00	
chowdeshwari temple road	1						1.00	
						Total Qty Work Done	4.00	Nos
						Qty Payable in this bill	4.00	Nos

Contractor Representative

Assistant Engineer 11/8/20

Asst Executive Engineer 11/8/20
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
Yashwanthapura sub division
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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Drilling of Borewells and Maintenance of RO Plant in RR Nagar Constituency

Measurement Sheet

1st and Final Bill

Item No: 14

Item Name: Solution Tank with level switch, Solution Tank-one No, Volume-100 Liters. Material of construction-HDPE. Tank levelswitch-one No

	CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
	beside government school								
		1						1.00	
	kuvempu circle								
		1						1.00	
								2.00	
								2.00	

Total Qty Work Done — Nos

Qty Payable in this bill — Nos

Contractor Representative

Assistant Engineer

Asst.Executive Engineer
Yashwanthapura sub division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Drilling of Borewells and Maintenance of RO Plant in RR Nagar Constituency

Measurement Sheet

1st and Final Bill

Item No:	15
Item Name:	Inter-connecting pipe work ,Raw water tank to feed pump suction and feed pump delivery to R.O. Inlet (up to High pressure pump in let)and RO outlet to Treated water tank-food Grade PVC pipe 40mm NB, Make-Finolex/ supreme,High pressure pump outlet to membrane inlet-ss pipe of required size, Approximate Length-35.0 Metre

CHAINAGE Land Mark	NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
beside government school								
	1						1.00	
kuvempucircle								
	1						1.00	
raghavendraswamy temple road								
	1						1.00	
Total Qty Work Done							**3.00**	**Nos**
Qty Payable in this bill							**3.00**	**Nos**

Executive Engineer
Rajarajeshwari Assembly Division
Bruhat Bangalore Mahanagara Palike
Bangalore

Contractor Representative

Assistant Engineer 12/08/20

Asst.Executive Engineer 12/8/20
Yashwanthapura sub division
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